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**FACSIMILE**

From: Dana E. Stano  
Direct Dial: (404) 879-2437  
E-Mail: dstano@wcsr.com  
Attorney Number: 1593

TO: Commissioner for Patents COMPANY: U.S. Patent and Trademark Office

FAX: 571-273-8300 PAGES: 9 (including cover)

PHONE: DATE: July 10, 2006

RE: U.S. Patent Application ATTORNEY  
No. 09/989,898 DOCKET/REF. NO. R029 1559/US

ACCOUNTING NO. 38400.0172.2

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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*Please call the following number if the message you receive is incomplete or not legible: 404-879-2413*

In re application of: Laurence M.C. Lai  
Serial No.: 09/989,898  
Filed: 11/19/2001

**OFFICIAL**

For: Manufacture Having Double Sided Features In A Metal Containing Web And Manufacture And  
Method For Forming Same In A Liquid-Based Etch Process

Attached in connection with the above-identified patent application are the following:

- (1) Transmittal Form;
- (2) Fee Transmittal; and
- (3) Response to Office Action and Amendment.

1201 West Peachtree Street, Suite 3500 Atlanta, GA 30309-3574 Telephone (404) 872-7000 Fax: (404) 888-7490

WCSR 2883068v1

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

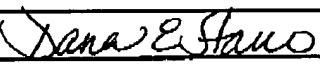
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<b>TRANSMITTAL FORM</b>  <small>(to be used for all correspondence after initial filing)</small>	Application Number	09/989,898	
	Filing Date	11/19/2001	
	First Named Inventor	Laurence M.C. Lai	
	Art Unit	1765	
	Examiner Name	Alanko, Anita Karen	
Total Number of Pages in This Submission	8	Attorney Docket Number	R029 1559/US

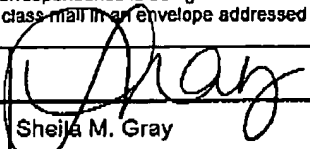
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ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53.	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks _____		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Womble Carlyle Sandridge & Rice, PLLC		
Signature			
Printed name	Dana E. Stano		
Date	July 10, 2006	Reg. No.	50,750

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:	
Signature 	
Typed or printed name	Sheila M. Gray
Date	July 10, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (01-06)

Approved for use through 07/31/2008, OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2006**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

**Complete if Known**

Application Number 09/989,898  
 Filing Date 11/19/2001  
 First Named Inventor Laurence M.C. Lai  
 Examiner Name Alanko, Anita Karen  
 Art Unit 1765  
 Attorney Docket No. R029 1559/US

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**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ Nonc ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 09-0528 Deposit Account Name: Wormbe Carlyle Sandridge & Rice, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments

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**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues):

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues):

200	100
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Multiple dependent claims:

360	180
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Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
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- 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification. \$130 fee (no small entity discount)

Fees Paid (\$)

Other (e.g., late filing surcharge): \_\_\_\_\_

**SUBMITTED BY**

Signature	<i>Dana E. Stano</i>	Registration No. 50,750 (Attorney/Agent)	Telephone 404-679-2437
Name (Print/Type)	Dana E. Stano	Date July 10, 2006	

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Laurence M.C. Lai CONF. NO: 1341  
SERIAL NO.: 09/989,898 ART UNIT: 1765  
FILED: November 19, 2001 EXAMINER: Alanko, Anita Karen  
FOR: MANUFACTURE HAVING DOUBLE SIDED FEATURES IN A METAL  
CONTAINING WEB AND MANUFACTURE AND METHOD FOR  
FORMING SAME IN A LIQUID-BASED ETCH PROCESS

**RESPONSE TO OFFICE ACTION AND  
AMENDMENT PURSUANT TO 37 C.F.R. § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed May 18, 2006, Applicant respectfully requests reconsideration in view of the following remarks.

Amendments to the claims begin on page 2 of this paper.

Remarks begin on page 5 of this paper.

Conclusion is on page 6 of this paper.

**CERTIFICATE OF FACSIMILE**

I hereby certify that this correspondence is being sent via facsimile to the U.S. Patent and Trademark Office at facsimile number 571-273-8300 on the date shown below.

July 10, 2006  
Date:

  
Sheila M. Gray